

NOTES: UNLESS OTHERWISE SPECIFIED

01. EXTERNAL TOOLING HOLE DIMENSIONS  
 02. MINIMUM ANNULAR RING .001 EXCEPT BREAK OUT PERMITTED ON TRIMMED PADS.  
 03. MAX. INTERNAL RADIUS  $\frac{.052}{.052}$  MAX. EXTERNAL RADIUS .063  
 04. NO DEBURR REQUIRED.  
 05. CRAZING AND DELAMINATION WITHIN A MAX. OF .030 BOARD PERIMETER SHALL BE ACCEPTABLE.

06. HOLE LOCATION  $\frac{.014}{.014}$  IN. OFF  $\frac{.016}{.016}$  IN. MMCH

07. ALL HOLES NOT DIMENSIONED ARE ON .025 INCH GRID INCREMENTS IN RELATION TO DATUM 0.  
 08. DECIMAL HOLE DIAMETERS AND HOLE TOLERANCES GOVERN HOLE SIZE. NUMBERS IN PARENTHESES ARE FOR REFERENCE ONLY.  
 09. FINISHED ARTWORK CONDUCTOR WIDTH AND SPACING TO BE AS SHOWN ON MASTER PATTERN  $\pm .004$ .  
 10. BOARD WARP OR TWIST SHALL NOT EXCEED .020 INCH PER INCH LENGTHWISE AND SHALL NOT EXCEED .018 INCH PER INCH CROSSWISE.  
 11. NO CLEARANCE REQUIRED FROM CONDUCTOR TO EDGE OF BOARD AND SLOTS.

12. MATERIAL SHALL BE  $.062$  THK NEMA GRADE FR-4 OR G-10 WITH ONE OZ. COPPER BOTH SIDES.

13. PROCESSES: TIN LEAD 60/40 PLATE, .0003 THK MIN, PER 00-5-571 "REFLOWED" BEFORE SOLDER MASK IS APPLIED.  
 14. SOLDER MASK SHALL BE SCREENED ON BOTH SIDES USING PC 401 OR APPROVED EQUIVALENT. COLOR TO BE GREEN.  
 15. SOLDER MASK IS PERMITTED TO BLEED ON PADS OF CONDUCTOR SIDE WHERE PADS ARE TRIMMED AND ON COMPONENT SIDE OF BOARD.  
 16. MARK PER ANSI Y32.16-1968, METHOD SILK SCREEN, HEIGHT PER ARTWORK PROVIDED, COLOR CONTRASTING (F100, METHOD 1, CLASS 1).

17. REGISTRATION MARKS TO BE USED FOR POSITIONING MARKING AT HOLES SHOWN.

18. THIS PWB IS AN UN-RECOGNIZED COMPONENT AND, SUCH AS, MUST DISPLAY THE VENDORS MARK RECOGNIZED BY UL IN THE AREA OF THE PWB INDICATED.

19. SOLDER MASK ALLOWED TO BLEED A MAX. OF .005 ONTO THE PAD.

20. NO ANNULAR RING REQUIREMENTS ON OVAL PADS.

21. SOLDER MASK PERMITTED TO COVER TIN-LEAD-PLATED COPPER AREAS GREATER THAN .250 INCH.  
 22. NOT REQUIRED ASSY NO AND BOARD REF. DESIG.  
 23. SOLDER MASK ALLOWED TO COVER FEED-THRU.  
 24. ALL HOLES TO BE WITHIN 0.014-INCH TRUE POSITION OF DATUM 0 WHEN TO PLANE A AND PLANE B.  
 25. LINE WIDTH FOR SILKSCREEN ALLOWED TO BE .010.  
 26. SLOTS ARE PLATED THRU.



